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(54) Title: APPARATUS FOR DIRECTING PARTICLES IN A FLUID

(57) Abstract: There is disclosed apparatus for directing particles entrained in a fluid, comprising a chamber having a first wall, including means for generating a sound wave having a frequency ν , and a second, opposite wall capable of reflecting the sound wave in which the first and second wall define a conduit for the passage of the fluid, and in which the thickness of the second wall is such that the path length of the standing wave in the second wall is a multiple of about $1/2$ the wavelength λ_r of the sound wave therein.

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